Bobwhite Quail Habitat Appraisal Tool

Name	Date Planner			
Land management goal: 1	covey per acres (optimum home range is 15 acres) Size of evalu	uation area:acres		
	l below, are the elements needed for survival and propagation of the spey Headquarters, (D) Food, and (E) Arrangement of Habitats.	pecies. For BWQ, these com	oonents include (A) I	Nesting Cover,
habitat being appraised of	escriptions for quail habitat components are listed below. Under each do a your farm. Then locate the corresponding score (the bold number in freexisting and planned conditions. These scores will be used to determine aised on this form.	ont of the explanation) and v	vrite it on the chart to f this form. The char	the right. Two
	rinted online at extension.missouri.edu/explore/miscpubs/mp0902.htm.)	Single of the second of the se	
	Herbaceous cover consisting of bunch grasses with forbs and low-growin wth available before or during nesting season (May 1 to Sept. 15).	ng shrubby cover with 2.		Nesting cover quanitity
	quantity - Percentage of home range dominated by preferred cover.	3.		
	30% or more 20% to 30%	4.		
	10% to 20%	1.		Average
	1% to 10% or open stands at ground level fescue/brome	2.		nesting
	None present (if 0, skip to Brood Habitat)			cover height
	ng cover height - The condition of nesting cover vegetation (previous ason, with residue available for use May 1.	, , ,		-
	Greater than 8 inches	4.		
	6 to 8 inches	1.		Distance to
	4 to 6 inches Less than 4 inches	2.		edge
	dge - Distance from center of nesting cover to an edge.	3.		
	50 to 75 feet	4.		-
	25 to 50 feet or 75 to 150 feet	4.		
2	less than 25 feet or more than 150 feet			
	Herbaceous plants and bare ground that consists of new growth of forb ops in each home range, needed from May 15 to Sept. 15.	s/weeds, annuals, 1.		Brood habitat
		2.		quantity
	quantity - Percent of the home range dominated by forbs/weeds annu	als or crop cover. 3.		
	40% or more forbs/legumes, annuals or minimum/no-till crops 30% to 40% forbs/legumes, annuals or minimum/no-till crops	4.		
	20% to 30% forbs/legumes, annuals or minimum/no-till crops	, 1		Percent bare
	10% to 20% forbs/legumes, annuals or minimum/no-till crops	1.		ground
	1% to 10% forbs/legumes, annuals or minimum/no-till crops	2.		
	No preferred cover, or conventional tilled crops (if 0, skip to Covey H	eadquarters) 3.		
	ground - Openness throughout brood habitat area (below 6") 25% to 50%	4.		
	5% to 25%, or 50% to 75%			Screening
	Less than 5% or more than 75%: 0 (if 0 skip to Covey Headquarters)			cover
•	ver - Brood habitat canopy cover above foraging broods (at least 6 inch	es high) 2.		_
	50% or more	3.		
8	30% to 50% 10% to 30%	4.		
2	1% to 10%		-	
0	No herbaceous cover above height 6 inches			
C. Covey Headqua	ters - Woody shrubs, low-growing stemmy trees, down tree structures,	feathered		Covey
edge. Headquarters	at a minimum should be 30 feet wide by 50 feet long, or 1,500 square			headquarters
0		2.		quanitity
	rarters quantity - Amount of covey headquarters in each home range. 10% to 25% of home range	3.		
	5% to 10% of home range	4.		
	1% to 5% of home range	4		Covey
	Less than 1% or more than 25% of home range	1.		headquarters
	No covey headquarters within the home range: 0 (If 0, then skip to ne parters composition - Quality of the plant community.			composition
	Woody shrubs and low-growing stemmy trees, upright growth habitat a	nd little ground litter 3.		_
6	Down tree structures, tangled vines, blackberry thickets, feathered edge	ge, little ground litter 4.		
	Larger trees without extensive low growing stems, or non-upright shru			Covey
	Headquarters with closed/rank ground vegetation or overhead tree ca	пору		headquarters
	Parters density - Canopy closure or canopy cover provided by plant strates to 80% canopy at 3 to 12 feet high			density
	40% to 60% canopy at 3 to 12 feet high	3.		4
	20% to 40% canopy at 3 to 12 feet high	4.		
	Less than 20% canopy at 3 to 12 feet high	H 000/		
0	Canopy less than 3 feet high or more than 12 feet high or canopy mo	те пап во%		

		S. S	Plannog	
D. Food - Seeds of grain crops and/or naturally occurring herbaceous or woody plants.	1.			Food guantity
Food quantity - Percentage of the home range that provides food plants for quail. 10 50% or more	2. 3.			quartity
8 30% to 50% 6 10% to 30%	4.			
4 1% to 10%0 No food plants in home range: 0 (if 0, skip to Arrangement of Habitats)	1. 2.			Food diversity
 Food diversity - How many food groups are present in home range (forbs/legumes/grasses/grains/woody)? 10 4 or more food groups 7 3 groups 	3. 4.			
 5 2 groups 2 1 group Food accessibility - Percent of bare ground in food areas. (Food availability depends on bare ground.) 	1.			Food accessibility
10 50% or more 7 30% to 50%	2. 3.			
5 10% to 30%2 Less than 10% bare ground	4. -			
E. Arrangement of Habitats: the spatial arrangement and mix of herbaceous and shrubby cover is an important consideration in determining the quality of the habitat components, including nesting and brood-rearing cover, protective escape cover and food.				
Rating criteria for arrangement of habitats Do nesting cover, brood cover, covey headquarters and food occur within 150 feet of each other in one	1. 2.			Arrangement of habitats
or more places within the home range? 10yes 5within 660 feet	3.			
0no	4.			
Distance to covey headquarters. What proportion of the home range is within 150 feet of a covey headquarters?	1.			Distance to headquarters
10>80% 8>60 to 79% 6>40 to 59%	2. 3.			•
6>40 to 39% 4>20 to 39% 0<20%	4.			

Limiting factors for bobwhite quail

Enter the value of the lowest-scored habitat description for each habitat component, for existing and planned conditions. (Each chart allows space to total the scores of the four ranges recorded previously.)

The lowest limiting factor value equals the habitat component that requires the greatest attention. A wildlife biologist can help you interpret habitat scores, and a management plan can be created to correct deficiencies.

	Ash yes	A SOLOR	Pange 3	Range 4	
A. Nesting Cover					Existing
B. Brood Habitat					conditions
C. Covey Headquarters					
D. Food					
E. Habitat Arrangement					
A Nastina Court	Ashoe,	Agua S	Range 3	A Suppose	
A. Nesting Cover	Range ,	18 19 19 19 19 19 19 19 19 19 19 19 19 19	A SUNGA	Panae 4	Planned
A. Nesting Cover B. Brood Habitat	Range 1	Pange 2	A A A A A A A A A A A A A A A A A A A	Ash Se 4	Planned conditions
· ·	Hange,	c abludes	Pange 3	Payle 4	
B. Brood Habitat	Range,	Ashoes	Ash	A Spirite A	